CLAIMS

1. An autonomous robot apparatus which communicates with a communication apparatus by radio and independently determines an action in accordance with an instruction from a user or a surrounding environment, the robot apparatus comprising:

measuring means for measuring the quality of communication of radio signals received from the communication apparatus;

determining means for determining the action on the basis of the communication quality measured by the measuring means; and

processing means for performing a process of allowing the robot apparatus to take the action determined by the determining means.

2. The robot apparatus according to Claim 1, wherein the determining means determines the action on the basis of the details of the current action of the robot apparatus and the communication quality measured by the measuring means.

3. The robot apparatus according to Claim 1, wherein

the determining means determines the generation of predetermined speech, and

the processing means outputs the speech through a speaker.

4. A information processing method for an autonomous

robot apparatus which communicates with a communication apparatus by radio and independently determines an action in accordance with an instruction from a user or a surrounding environment, the method comprising:

a measuring step of measuring the quality of communication of radio signals received from the communication apparatus;

a determining step of determining the action on the basis of the communication quality measured in the measuring step; and

a processing step of performing a process of allowing the robot apparatus to take the action determined in the determining step.

5. A program for an autonomous robot apparatus which communicates with a communication apparatus by radio and independently determines an action in accordance with an instruction from a user or a surrounding environment, the program allowing a computer to execute a process comprising:

a measuring step of measuring the quality of communication of radio signals received from the communication apparatus;

a determining step of determining the action on the basis of the communication quality measured in the measuring step; and

a processing step of performing a process of allowing

the robot apparatus to take the action determined in the determining step.